

# Additions to the Supplemental List of New Jersey Macrolepidoptera

JOSEPH MULLER

R.D. 1, LEBANON, NEW JERSEY 08833

RECEIVED FOR PUBLICATION APRIL 22, 1968

**Abstract:** Twenty-nine additional species, subspecies, and named aberrations with their food plants are here added to the *Supplemental List of Macrolepidoptera of New Jersey* which was published in 1965.

In this report twenty-nine species, subspecies, and named aberrations with their food plants are added to the supplemental list which I published in 1965. This number of additions is remarkable when it is realized that former collecting localities are being lost to the growing urbanization and industrialization occurring in this region. During the last ten years I have observed that the populations of the saturnids and the larger sphingids have been declining. This decline I had attributed to the increased use of insecticides and insecticide spraying. However, I doubt that this is the only reason, because the common, smaller Lepidoptera are as numerous as ever.

Most of the daytime and the nighttime collecting was done around Lakehurst, Lebanon, and Montague. More time than ever had to be spent looking for new places to collect, since the old locations either are being destroyed or are no longer as productive as formerly.

Two species, *Pieris napi oleracea* Harris and *Euptychia mitchellii* French, both mentioned in the lists of Smith and Comstock but considered doubtful by later authors, can now definitely be added to the New Jersey list. *Pieris virginiensis* Edwards, not reported in the state since 1940, will be sought in the northern part of the state where a large stand of its food plant, *Dentaria diphylla* Michaux, has recently been located through the help of botanist friends.

I thank Dr. C. F. dos Passos for a critical reading of this manuscript and Dr. A. E. Brower for the determinations.

BUTTERFLIES (Identifying numbers are from dos Passos, 1964)

## HESPERIIDAE

*Thymelicus* Hübner

123 *lineola* Ochsenheimer

form *pallida* Tutt 1896

Lakehurst, July 1, 4, 1967

Grasses, *Graminae* spp.

## PIERIDAE

*Pieris* Schrank

278 *napi oleracea* Harris 1829

Newton, July 8, 1966 (collected by Mrs. C. F. dos Passos)

Toothwort, *Dentaria* spp.; rock cress, *Arabis* spp.; hedge mustard, *Sisymbrium officinale*.

## LYCAENIDAE

*Strymon* Hübner

- 412 *jalacer* ab. "heathii" Fletcher 1903  
Lakehurst, July 1, 1967 (collected by F. Rutkowski)  
Oak, *Quercus* spp.; Hickory, *Carya* spp.

## SATYRIDAE

*Lethe* Hübner

- 638 *euridice euridice* Johansson 1763  
Newton, July 1, 1966 (collected by F. Rutkowski)  
Grasses, *Graminae* spp.

*Euptychia* Hübner

- 644 *mitchellii* French  
Newton, July 6, 8, 12, 1966 and July 14, 1967  
Grasses, *Graminae* spp.

MOTHS (Identifying numbers are from McDunnough, 1938)

## ARCTIIDAE

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*Phragmatobia* Stephens

- 1029-1 *lineata* Donahue and Newman 1941  
Short Hills, June 23 and July 15, 1966; Lebanon, July 16, 1965 and June 29, 1966  
Thoroughwort, *Eupatorium* spp.; probably other low herbs.

*Apantesis* Walker

- 1052 *figurata* ab. "lugubris" Hulst 1887  
Lakehurst, June 1, 6, 7, 1966  
Dandelion, *Taraxicum officinale*; plantain, *Plantago Rugelii*.

## PHALAEENIDAE

## ACRONICTINAE

*Acrionicta* Ochseneheimer

- 1151 *dactylina* Grote, melanic form, 1824  
Lakehurst, June 27, 1967; Lebanon, June 30, 1966  
Birch, *Betula* spp.; willow, *Salix* spp.

## PHALAEENINAE

*Rhynchagrotis* Smith

- 1602 *cupida* Grote 1875  
Lakehurst, July 20, 1965  
Apple, *Malus* spp.; grape, *Vitis* spp.

## HADENINAE

*Polia* Ochseneheimer

- 1697 *cristifera* Walker 1858  
Montague, July 30, August 27, 1966  
Birch, *Betula* spp.; blueberry, *Vaccinium* spp.

*Xylomiges* Guenée1914 *dolosa* Grote 1880

Lebanon, April 21, May 2, 1965 and April 29, 1966

Poplar, *Populus* spp.

## CUCULLINAE

*Apharetra* Grote2156-1 *purpurea* McDonnough 1940

Lakehurst, July 20, 1966 and July 26, 28, 1967

Blueberry, *Vaccinium* spp.

## AMPHIPYRINAE

*Neperigea* McDonnough2636 *costa* Barnes & Benjamin 1923

Lebanon, August 27, 1966

*Enargia* Hübner2685 *decolor* Walker 1859

Montague, July 30, 1965 and July 20, 1966

Birch, *Betula* spp.; Poplar, *Populus* spp.*Amolita* Grote2696 *roseola* Smith 1903

Montague, July 30, 1967

## ACONTIINAE

*Erastria* Ochsenheimer3119 *albidula* Guenée 1852

Newton, July 27, 1966

*Acontia* Ochsenheimer3202 *aprica* Hübner 1803

Lebanon, June 8, August 20, 1966 and May 5, Aug. 27, 1967

Hollyhock, *Althea rosea*

## PLUSIINAE

*Autographa* Hübner3265 *ampla* Walker 1857

Lebanon, June 30, 1965

Juneberry, *Amelanchier* spp.

## CATOCALINAE

*Catacola* Schrank3334 *maestosa* Hulst 1884

Lebanon, August 28, 1966

Black walnut, *Juglans nigra*3337 *nebulosa* Edwards 1864

Lebanon, September 24, 1959

Black walnut, *Juglans nigra*; Hickory, *Carya* spp.3342 *ilia* form obsolete Worthington 1883

Lakehurst, July 18, 1962 and July 23, 1965; Cape May, July 15, 1966

*Zale* Hübner-3478 *phalaecapna* Franclemont 1950 (determined by genitalia)

Lebanon, May 27, 1957

-3494 *metatoides* McDonnough 1943

Montague, June 10, 1967

HYPENINAE

*Gabara* Walker

3633 *pulverosalis* Walker 1865

Lakehurst, August 14, 1967

*Bomolocha* Hübner

3690 *palparia* Walker 1861

Montague, July 17, 1965

Oak, *Quercus* spp.

HERMINIINAE

*Camptyllochila* Stephens 1918

3739 *julia* Barnes and McDunnough 1918

Lebanon, July 9, 1966

GEOMETRIDAE

LARENTIINAE

*Hydriomena* Hübner

4485 *renunciata* Walker 1862

Lebanon, May 19, 1966

*Hydrelia* Hübner

4597 *albifera* Walker 1866

Lebanon, June 2, 1966

ENNOMINAE

*Hyperctis* Guenée

5043 *amicaria nepiasaria* Walker 1860

Lebanon, May 19, 1965

Maple, *Acer* spp.; Oak, *Quercus* spp.; willow, *Salix* spp.

References and Literature Cited

- COMSTOCK, W. P. 1940. Butterflies of New Jersey. J. N. Y. Entomol. Soc., **48**: 47-84.
- DOS PASSOS, C. F. 1964. A Synonymic List of the Nearctic Rhopalocera. Lepidopterists' Society Memoir, No. 1.
- FERNALD, M. L. 1950. Gray's New Manual of Botany. 8th ed., American Book Co.
- FORBES, W. T. M. 1923-1960. Lepidoptera of New York and Neighboring States. Parts I (section on Bombyces), II, III, and IV. New York Agric. Exper. Sta., Cornell Univ., Ithaca, N. Y.
- KLOTS, A. B. 1951. A Field Guide to the Butterflies. Cambridge, Mass.
- MCDUNNOUGH, J. H. 1938. Check List of the Lepidoptera of Canada and the United States of America. Part I. Macrolepidoptera. Southern Calif. Acad. Sciences.
- MULLER, J. 1965. Supplemental List of Macrolepidoptera of New Jersey. J. N. Y. Entomol. Soc., **73**: 63-77.
- SMITH, J. B. 1910. Report of New Jersey State Museum for 1909. Trenton, N. J.